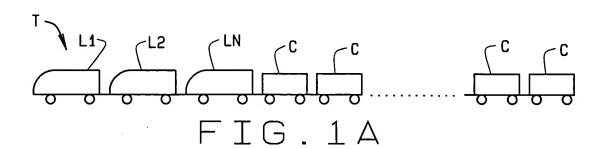
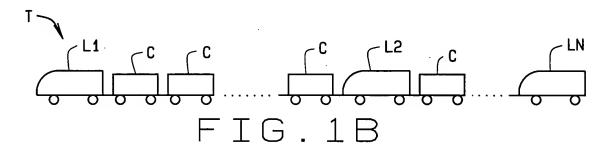
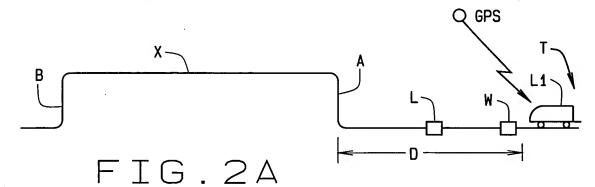
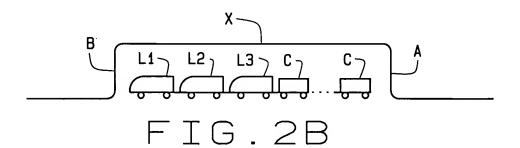
DN GEHA 8578US Sheet 1 of 2 Inventor: Robert A. Armbruster Title: STRATEGIES FOR LOCOMOTIVE OPERATION IN TUNNEL CONDITIONS

Attorney: J. Joseph Muller Telephone: 314-872-8118 Express Mail No. EL 993297115 US









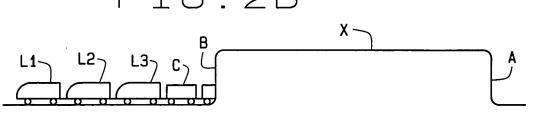


FIG.2C

DN GEHA 8578US Sheet 2 of 2 Inventor: Robert A. Armbruster Title: STRATEGIES FOR LOCOMOTIVE OPERATION IN TUNNEL CONDITIONS

Attorney: J. Joseph Muller Telephone: 314-872-8118 Express Mail No. EL 993297115 US

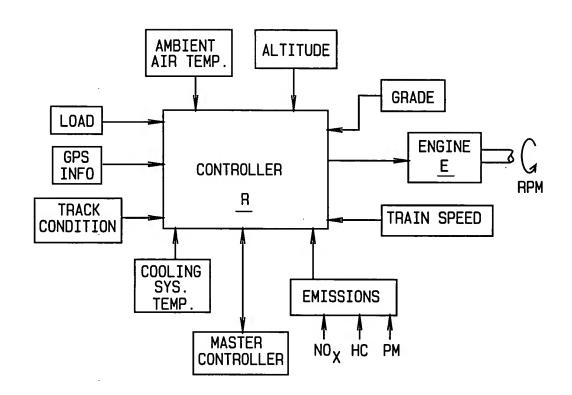


FIG.3

